

AMENDMENT TO THE CLAIMS

1. (currently amended) A computer-implemented method comprising:

receiving a document;

determining a file type for the document;

segmenting the document into blocks of text as a function of outline information

if outline information is associated with the document;

if outline information is not associated with the document, then segmenting the

document into blocks of text as a function of tags if tags are associated
with the document;

if outline information and tags are not associated with the document, then
performing:

a) identifying potential segmentation points in the document as a function
of the file type based on text in the document; and

b) segmenting the text into blocks of text based on the potential
segmentation points and on a similarity of text adjacent the
potential segmentation points; segmenting the document into
blocks of text as a function of the segmentation points and

determining if the blocks of text should be further segmented based on a size of
the blocks of text;

if the blocks should be further segmented, then performing:

a) identifying potential segmentation points in the blocks based on text in
the blocks; and

b) segmenting the blocks into sub-blocks of text based on the potential
segmentation points and on a similarity of text adjacent the
potential segmentation points;

generating outputting at least one keyword and a summary for the document that is
indicative of blocks of text in the document and generating at least one

keyword and summary for any sub-blocks in the text.

2. (cancelled)

3. (original) The computer-implemented method of claim 1 wherein segmenting includes analyzing HTML tags in the document and segmenting text in the document based on the HTML tags.

4. (previously presented) The computer-implemented method of claim 3 wherein segmenting further includes using a position of text in the document.

5. (original) The computer-implemented method of claim 1 and further comprising providing at least one keyword and a summary for each block of text in the document.

6. (original) The computer-implemented method of claim 1 and further comprising displaying the at least one keyword and summary.

7. (original) The computer-implemented method of claim 1 and further comprising generating at least one keyword and a summary for individual blocks of text within the document.

8. (cancelled)

9. (currently amended) The computer-implemented method of claim 8¹ and further comprising determining final segmentation points based on similarity of adjacent blocks of text surrounding the potential segmentation points.

10. (original) The computer-implemented method of claim 1 and further comprising converting an audio file to a text document.

11. (currently amended) A computer-implemented method comprising:

retrieving a plurality of documents;
determining a file type for each of the plurality of documents;
identifying segmentation points in each of the plurality of documents as a function of the file type;
segmenting each of the plurality of documents into blocks of text as a function of the segmentation points;
determining at least one keyword and a summary for each of the plurality of documents that is indicative of multiple blocks of text in each of the plurality of documents;
providing an output of the at least one keyword and summary for each of the plurality of documents; and
rendering a list of the plurality of documents including the at least one keyword and summary associated with each of the plurality of documents;
receiving a user input indicative of a selection of one of the plurality of documents;
accessing the blocks of text in the selected document;
determining at least one keyword and a summary for each individual block of text in the selected document; and
rendering a list indicative of the blocks of text in the selected document, wherein the list includes the at least one keyword and summary for each individual block of text in the selected document.

12. (original) The computer-implemented method of claim 11 wherein segmenting includes using outline information to segment text in the document.

13. (original) The computer-implemented method of claim 11 wherein segmenting includes

analyzing HTML tags in the document and segmenting text in the document based on the HTML tags.

14. (previously presented) The computer-implemented method of claim 13 wherein segmenting further includes using a position of text in the document.

15. (cancelled)

16. (original) The computer-implemented method of claim 11 and further comprising displaying the at least one keyword and summary for each document.

17. (original) The computer-implemented method of claim 11 and further comprising generating at least one keyword and a summary for individual blocks of text within each of the plurality of documents.

18. (original) The computer-implemented method of claim 11 and further comprising establishing potential segmentation points based on text in each of the plurality of documents.

19. (original) The computer-implemented method of claim 18 and further comprising determining final segmentation points based on similarity of adjacent blocks of text surrounding the potential segmentation points.

20. (original) The computer-implemented method of claim 11 and further comprising converting an audio file to a text document.

21. (currently amended) A mobile device for handling documents, ~~computer-readable storage medium having instructions which, when implemented on a computer, handle documents, the instructions comprising:~~

a document retrieval module adapted to retrieve a plurality of documents from at least one document source based on a document query request received from a mobile device;

a document outline parsing module adapted to determine a file type of each of the plurality of documents and for each document:

segment the document into blocks of text as a function of outline information if outline information is associated with the document;

if outline information is not associated with the document, then segment the document into blocks of text as a function of the tags if tags are associated with the document; identify segmentation points as a function of the file type, segment the plurality of documents into blocks of text based on the file type;

if outline information and tags are not associated with the document, then establish potential segmentation points in the document blocks of text as a function of the text in the document, and segment the document into blocks of text into sub-blocks of text if adjacent paragraphs surrounding the potential segmentation points are dissimilar;

determine if the blocks of text should be further segmented based on a size of the blocks of text;

if the blocks of text should be further segmented, then identify sub-blocks of text from the blocks of text if adjacent paragraphs in the blocks are dissimilar; and

form a tree structure indicative of the blocks and sub-blocks; and

a summarization module adapted to generate output at least one keyword and a summary for each block and sub-block in each of the plurality of documents based on the tree structure to selectively render the at least one keyword, summary, blocks and sub-blocks of text as a function of input to

the mobile device.

22. (cancelled)

23. (original) The computer-readable medium of claim 21 wherein the document outline parsing module is further adapted to analyze HTML tags in the document and segment text in the document based on the HTML tags.

24. (previously presented) The computer-readable medium of claim 23 wherein the document outline parsing modules is further adapted to segment the document using a position of text in the document.

25. (cancel)

26. (original) The computer-readable medium of claim 21 and further comprising a module adapted to display the at least one keyword and summary.

27. (cancel)

28. (cancel)

29. (cancel)

30. (original) The computer-readable medium of claim 21 and further comprising a module adapted to convert an audio file to a text document.